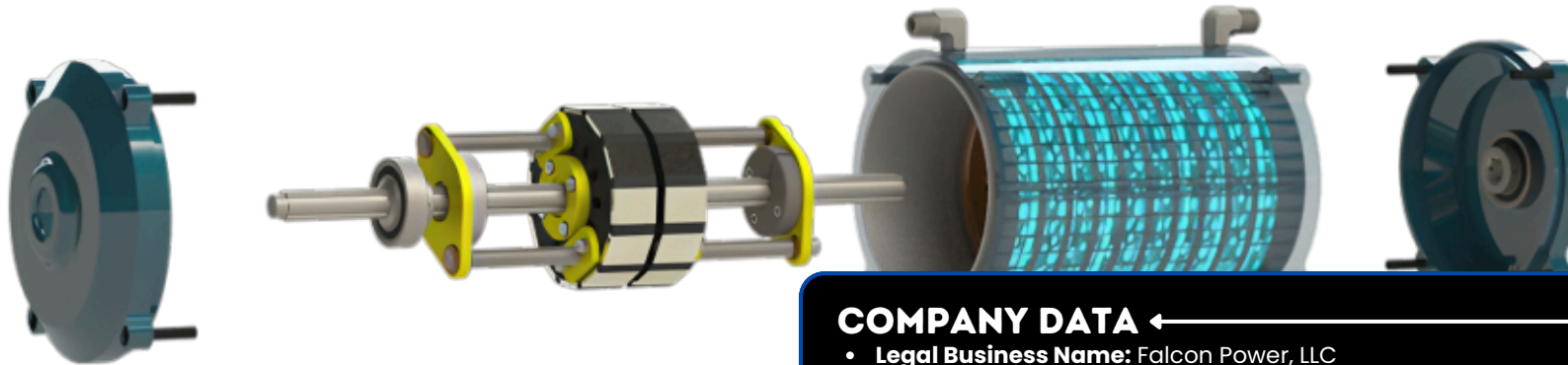




# CAPABILITY STATEMENT



## COMPANY OVERVIEW

**Falcon Power, LLC** is a Florida-based innovator specializing in permanent magnet motors and generators powered by patented Variable Torque Generation (VTG) technology. Our VTG systems dynamically adjust flux and resistance to deliver superior efficiency and torque across a broad range of operating conditions. With over a decade of research and development, 29+ U.S. and international patents, and multiple working prototypes, Falcon Power provides cutting-edge solutions for renewable energy, transportation, marine, HVAC, and portable power markets. Our technology integrates seamlessly into existing systems without the need for costly retooling, offering clients a transformative approach to energy efficiency and performance.

## CORE COMPETENCIES

- **VTG Innovation:** 10+ years of Variable Torque Generation (VTG) research, advancing efficient motive power and renewable energy.
- **System Optimization:** Skilled in analyzing motors, generators, and hybrid systems to design VTG solutions that improve efficiency and power in variable conditions.
- **Advanced Motors:** VTG motors deliver variable torque on demand, adjusting torque and speed across a wider range than conventional motors—without transmissions.
- **Next-Gen Generators:** VTG generators match torque from renewable sources at normal speeds, producing optimal power without transmissions.
- **High-Torque Transport:** In trucks and transport, VTG motors provide high torque at low speed for start-up and acceleration, sustaining power at higher speeds beyond limits.
- **Multi-Function Design:** Each VTG motor or generator performs as multiple machines in one, offering unmatched versatility and performance.
- Custom Design, Simulate, Prototype and Manufacture to meet widely variable load requirements over the desired RPM and torque range

## COMPANY DATA

- **Legal Business Name:** Falcon Power, LLC
- **UEI (Unique Entity ID):** NLQWFLF8TYMI
- **CAGE Code:** 88J36
- **NAICS Codes:** 335312, 335311, 336390, 333618, 336612
- **Business Address:** 5225 S Washington Ave, Titusville, Florida 32780

## PAST PERFORMANCE

- **Over a decade of focused R&D in Variable Torque Generation (VTG) technology**, resulting in more than 29 U.S. and international patents, multiple prototypes, and proven breakthroughs in efficiency and torque performance.
- **Hybrid Gas/Electric Outboard Motor Project:** currently in advanced development, demonstrating VTG's adaptability for marine transportation by delivering reliable, high-efficiency, high-torque power in real-world conditions.
- **Expanding Innovation Pipeline:** Falcon Power continues to apply VTG across renewable energy, transportation, and power generation systems, delivering solutions that align with customer requirements and future energy needs.

## DIFFERENTIATORS

- **Unique Reconfiguration Ability:** Falcon Power motors and generators can automatically reconfigure themselves as demand changes, adjusting stator turns, magnetic flux, and pole count—capabilities unmatched in the industry.
- **Transmission-Free Efficiency:** Unlike conventional electric motors, Falcon Power technology delivers high torque across a wide speed range without the need for heavy, costly transmissions.
- **Extensive Patent Portfolio:** Holding 29+ U.S. and international patents, Falcon Power leads the market in proprietary motor and generator technology.
- **In-House Design & Development:** All prototypes, motors, and associated electronics are designed, engineered, and produced internally, ensuring quality control and rapid innovation.
- **Smart Load Sensing:** VTG motors automatically sense load at designated speeds and adjust torque to deliver optimized performance and efficiency in real time.



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